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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/618,307

DATE: 09/04/2002

TIME: 12:04:22

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\09042002\I618307.raw

3 &lt;110&gt; APPLICANT: Lambeth, Clements C.

4 Wheeler, Nicholas C.

6 &lt;120&gt; TITLE OF INVENTION: Pollen Polymix Plant Breeding Method Utilizing Molecular Pedigree

7 Analysis

9 &lt;130&gt; FILE REFERENCE: WEYE115226

11 &lt;140&gt; CURRENT APPLICATION NUMBER: US 09/618,307

12 &lt;141&gt; CURRENT FILING DATE: 2000-07-18

14 &lt;160&gt; NUMBER OF SEQ ID NOS: 21

16 &lt;170&gt; SOFTWARE: PatentIn version 3.1

18 &lt;210&gt; SEQ ID NO: 1

19 &lt;211&gt; LENGTH: 23

20 &lt;212&gt; TYPE: DNA

21 &lt;213&gt; ORGANISM: Artificial Sequence

23 &lt;220&gt; FEATURE:

24 &lt;223&gt; OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer

26 &lt;220&gt; FEATURE:

27 &lt;221&gt; NAME/KEY: misc\_feature

28 &lt;222&gt; LOCATION: (1)..(1)

29 &lt;223&gt; OTHER INFORMATION: Wherein C at position 1 is an IRD 41 labeled nucleotide

32 &lt;400&gt; SEQUENCE: 1

33 caattggaat gagaacagat agg

23

36 &lt;210&gt; SEQ ID NO: 2

37 &lt;211&gt; LENGTH: 20

38 &lt;212&gt; TYPE: DNA

39 &lt;213&gt; ORGANISM: Artificial Sequence

41 &lt;220&gt; FEATURE:

42 &lt;223&gt; OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer

44 &lt;400&gt; SEQUENCE: 2

45 tgcgttgac ttcgttatag

20

48 &lt;210&gt; SEQ ID NO: 3

49 &lt;211&gt; LENGTH: 23

50 &lt;212&gt; TYPE: DNA

51 &lt;213&gt; ORGANISM: Artificial Sequence

53 &lt;220&gt; FEATURE:

54 &lt;223&gt; OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer

56 &lt;220&gt; FEATURE:

57 &lt;221&gt; NAME/KEY: misc\_feature

58 &lt;222&gt; LOCATION: (1)..(1)

59 &lt;223&gt; OTHER INFORMATION: Wherein A at position 1 is an IRD 41 labeled nucleotide

62 &lt;400&gt; SEQUENCE: 3

63 agaataaact gacgtatgatg cca

23

66 &lt;210&gt; SEQ ID NO: 4

67 &lt;211&gt; LENGTH: 24

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68 <212> TYPE: DNA  
69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
74 <400> SEQUENCE: 4  
75 aattttcaat tcctttcttt ctcc 24  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 22  
80 <212> TYPE: DNA  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
86 <220> FEATURE:  
87 <221> NAME/KEY: misc\_feature  
88 <222> LOCATION: (1)..(1)  
89 <223> OTHER INFORMATION: Wherein C at position 1 is an IRD 41 labeled nucleotide  
92 <400> SEQUENCE: 5  
93 cccgtatcca gatatacttc ca 22  
96 <210> SEQ ID NO: 6  
97 <211> LENGTH: 21  
98 <212> TYPE: DNA  
99 <213> ORGANISM: Artificial Sequence  
101 <220> FEATURE:  
102 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
104 <400> SEQUENCE: 6  
105 tggtttgatt cattcggttca t 21  
108 <210> SEQ ID NO: 7  
109 <211> LENGTH: 21  
110 <212> TYPE: DNA  
111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
116 <220> FEATURE:  
117 <221> NAME/KEY: misc\_feature  
118 <222> LOCATION: (1)..(1)  
119 <223> OTHER INFORMATION: Wherein T at position 1 is an IRD 41 labeled nucleotide  
122 <400> SEQUENCE: 7  
123 tcatagcggga agatcctctt t 21  
126 <210> SEQ ID NO: 8  
127 <211> LENGTH: 21  
128 <212> TYPE: DNA  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
134 <400> SEQUENCE: 8  
135 cggattgatc ctaaccatac c 21  
138 <210> SEQ ID NO: 9  
139 <211> LENGTH: 22  
140 <212> TYPE: DNA

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/618,307

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141 <213> ORGANISM: Artificial Sequence  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
146 <220> FEATURE:  
147 <221> NAME/KEY: misc\_feature  
148 <222> LOCATION: (1)..(1)  
149 <223> OTHER INFORMATION: Wherein T at position 1 is an IRD 41 labeled nucleotide  
152 <400> SEQUENCE: 9  
153 ttcatgtgaa atacactagc cc 22  
156 <210> SEQ ID NO: 10  
157 <211> LENGTH: 21  
158 <212> TYPE: DNA  
159 <213> ORGANISM: Artificial Sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
164 <400> SEQUENCE: 10  
165 aaaaccgtac atgagattcc c 21  
168 <210> SEQ ID NO: 11  
169 <211> LENGTH: 25  
170 <212> TYPE: DNA  
171 <213> ORGANISM: Artificial Sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
176 <220> FEATURE:  
177 <221> NAME/KEY: misc\_feature  
178 <222> LOCATION: (1)..(1)  
179 <223> OTHER INFORMATION: Wherein T at position 1 is an IRD 41 labeled nucleotide  
182 <400> SEQUENCE: 11  
183 tattatcgaa caacgagaat aatcc 25  
186 <210> SEQ ID NO: 12  
187 <211> LENGTH: 22  
188 <212> TYPE: DNA  
189 <213> ORGANISM: Artificial Sequence  
191 <220> FEATURE:  
192 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
194 <400> SEQUENCE: 12  
195 tcaactgtcac tctacaaaac cg 22  
198 <210> SEQ ID NO: 13  
199 <211> LENGTH: 21  
200 <212> TYPE: DNA  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
206 <220> FEATURE:  
207 <221> NAME/KEY: misc\_feature  
208 <222> LOCATION: (1)..(1)  
209 <223> OTHER INFORMATION: Wherein T at position 1 is an IRD 41 labeled nucleotide  
212 <400> SEQUENCE: 13  
213 taaggggact agagcaggct a 21

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PATENT APPLICATION:- US/09/618,307

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Input Set : A:\PTO.VSK.txt

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216 <210> SEQ ID NO: 14  
217 <211> LENGTH: 21  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
224 <400> SEQUENCE: 14  
225 ttcgatattg aaccttggac a 21  
228 <210> SEQ ID NO: 15  
229 <211> LENGTH: 42  
230 <212> TYPE: DNA  
231 <213> ORGANISM: Artificial Sequence  
233 <220> FEATURE:  
234 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
236 <400> SEQUENCE: 15  
237 cacgacgttg taaaacgaca atttgggtgt atttttctta ga 42  
240 <210> SEQ ID NO: 16  
241 <211> LENGTH: 23  
242 <212> TYPE: DNA  
243 <213> ORGANISM: Artificial Sequence  
245 <220> FEATURE:  
246 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
248 <400> SEQUENCE: 16  
249 aaaagttgaa ggagttggtg atc 23  
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253 <211> LENGTH: 36  
254 <212> TYPE: DNA  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
258 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
260 <400> SEQUENCE: 17  
261 cacgacgttg taaaacgact caaaatgcaa aagacg 36  
264 <210> SEQ ID NO: 18  
265 <211> LENGTH: 18  
266 <212> TYPE: DNA  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
272 <400> SEQUENCE: 18  
273 attaggactg gggatgat 18  
276 <210> SEQ ID NO: 19  
277 <211> LENGTH: 39  
278 <212> TYPE: DNA  
279 <213> ORGANISM: Artificial Sequence  
281 <220> FEATURE:  
282 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
284 <400> SEQUENCE: 19  
285 cacgacgttg taaaacgacc cagacaaccc aaatgaag 39  
288 <210> SEQ ID NO: 20

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289 <211> LENGTH: 20  
290 <212> TYPE: DNA  
291 <213> ORGANISM: Artificial Sequence  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: Nuclear Microsatellite Oligonucleotide Primer  
296 <400> SEQUENCE: 20  
297 gccagtgcag acacaaacaa  
300 <210> SEQ ID NO: 21  
301 <211> LENGTH: 19  
302 <212> TYPE: DNA  
303 <213> ORGANISM: Artificial Sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: Chloroplast Microsatellite Oligonucleotide Primer  
308 <400> SEQUENCE: 21  
309 cacgacgttg taaaacgac 19

VERIFICATION SUMMARY

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